



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
CITATION**

PTO-1449

 ATTY. DOCKET NO.  
 A-66828-  
 1/DJB/RMS/DCF

 SERIAL NO.  
 09/189,543

 APPLICANT  
 CHEE et al.

JAN 11 2000

 FILING DATE  
 November 10, 1998

 GROUP /631 TECH CENTER 1600 2900  
 1655
**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
AM	A	0 392 546	10/1990	EP				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AM	1	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding os th April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.
	2	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).
	3	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).
✓	4	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).
	5	
	6	

EXAMINER *AM* *AM*  
*AM* *AM*

DATE CONSIDERED

*4/23/00*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>AM</i>	A	4,822,746	4/1989	Walt	436	528	
	B	5,002,867	3/1991	Macevicz	435	6	
	C	5,114,864	5/1992	Walt	436	528	
<i>O P E J.C.B.</i> DEC 06 1999	D	5,105,305	4/1992	Betzig et al.	359	368	
<i>ENT &amp; TRADEMARK REG.</i>	E	5,143,853	9/1992	Walt	436	501	
	F	5,028,545	7/1991	Soini	436	501	
	G	5,244,636	9/1993	Walt et al.	422	82,07	
	H	5,244,813	9/1993	Walt et al.	436	172	
	I	5,250,264	10/1993	Walt et al.	422	82,07	
	J	5,252,494	10/1993	Walt	436	528	
	K	5,254,477	10/1993	Walt	436	172	
	L	5,298,741	3/1994	Walt et al.	250	227,23	
	M	5,320,814	6/1994	Walt et al.	422	82,07	
	N	5,496,997	3/1996	Pope	250	227,21	
	O	5,512,490	4/1996	Walt et al.	436	171	
	P	5,573,909	11/1996	Singer et al.	435	6	
	Q	5,633,972	5/1997	Walt et al.	385	116	
	R	4,499,052	2/1985	Fulwyler	422	52	
	S	5,690,894	11/1997	Pinkel et al.	422	68,1	
	T	5,194,300	3/1993	Cheung	427	213,31	
	U	5,132,242	7/1992	Cheung	436	501	
EXAMINER <i>[Signature]</i>				DATE CONSIDERED		<i>11/23/98</i>	

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JM	V	5,494,798	2/1996	Gerdt et al.	435	6	
O P E S C O P Y DEC. 06 1999	SW	5,565,324	10/1996	Still et al.	435	6	
PATENT & TRADEMARK OFFICE		5,900,481	5/1999	Lough et al.	536	55.3	
		5,888,723	3/1999	Sutton et al.	435	5	
	Z	5,380,489	1/1995	Sutton et al.	422	68.1	
↓	AA	5,516,635	5/1996	Ekins et al.	435	6	

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
JM	BB	0478 319	4/1992	EP				
	CC	0269764	6/1988	EP				
	DD	93/02360	2/1993	PCT				
	EE	89/11101	11/1989	PCT				
	FF	97/14028	4/1997	PCT				
	GG	0 723 146	7/1996	EP				
	HH	98/40726	9/1998	PCT				
	II	98/53300	11/1998	PCT				
	JJ	98/53093	11/1998	PCT				
↓	KK	97/40385	10/1997	PCT				

EXAMINER

*John Bishop*

DATE CONSIDERED

*4/26/00*

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		APPLICANT Chee et al.	
		FILING DATE November 10, 1998	GROUP 1631 1655
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AM	1	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, In) Bebruary 1997.	
O I P E	2	Anonymous, "Microsphere Selection Guide," Bandg Laboratories, (Fisher, In) September 1998.	
DEC 06 1999	3	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.	
PATENT & TRADEMARK OFFICE	4	Mignani, et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7): 1396-1406 (1995).	
	5	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).	
	6	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspehres," SPIE, 2388:245-256 (1995).	
	7	Strachan et al., "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the Detection of Listeria," Letters in Applied Microbiology, 21:5-9 (1995).	
	8	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).	
	9	Piunno et al., "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem., 67:2635-2643 (1995).	
	10	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).	
	11	Fuh et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).	
	12	Healey et al., "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).	
	13	Hirschfeld et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (1987).	
	14	Peterson et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).	
EXAMINER <i>Adam Mansoor</i>		DATE CONSIDERED 4/28/00	

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